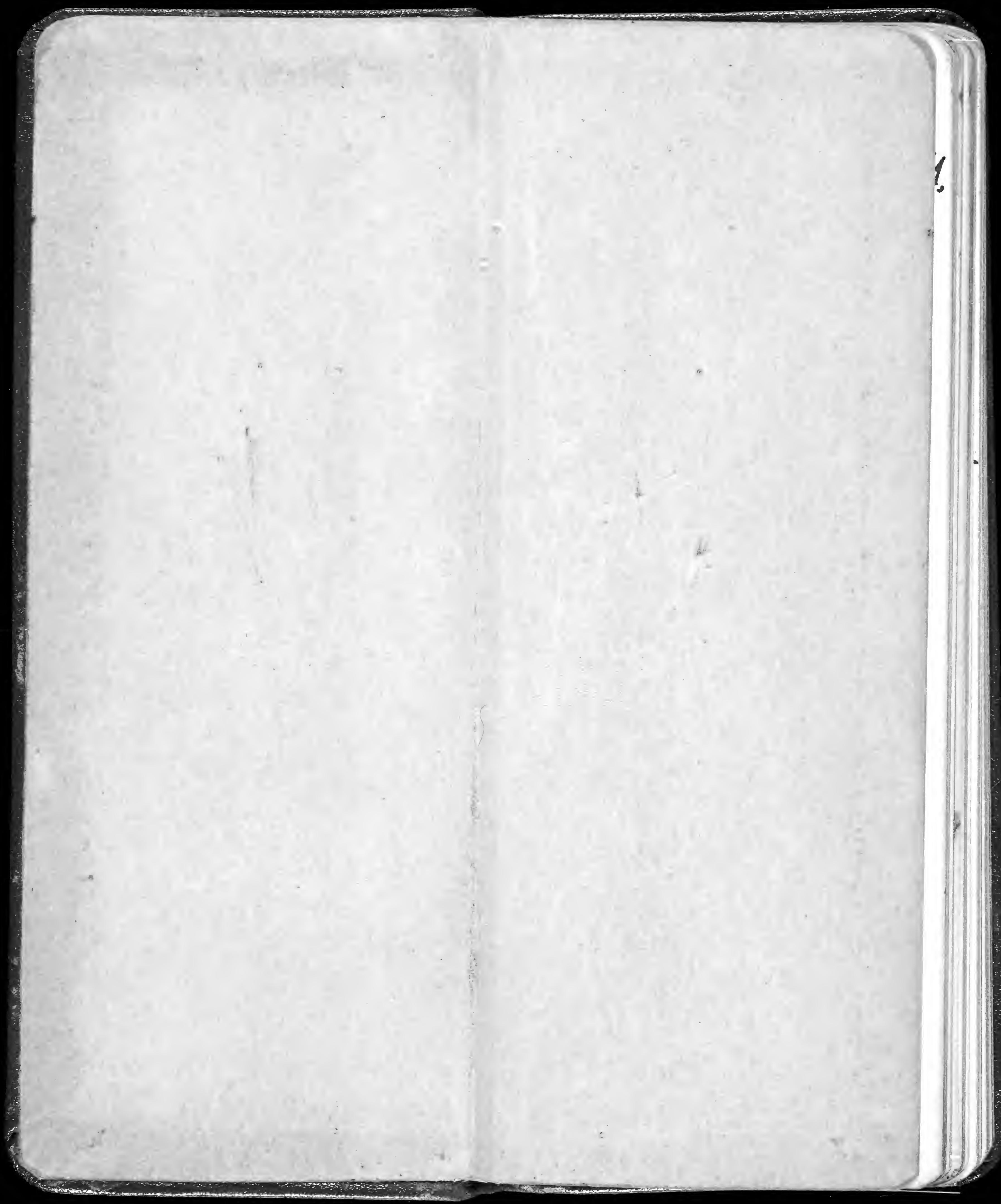


1913

North Dakota  
Wyoming



1 P.M.

sts.  
ing.

1913

June 18.

Left Washington 6 P.M.

Camp at Mr. Bartletts,  
wood, Gaithersburg -

June 19 - To  
- Clarksburg -

Fredrick

Hagerstown

Mooersburg

Green Castle  
Camp on mtn.

June 20 -

McCombsburg, Pa.

Over ridge  
Juaveta River  
Lugach -  
Bedford  
Goodson

Camp on ridge  
Fifed fenced

June 21

Shelbyburg 5 mi.  
over hills.  
Allegany Mts.  
Canadian zone 5 mi.  
Aspens  
Snows - white  
Asp. plenaefolia  
Bals. glandulosa  
Pinus strobus  
Kantner

Youngs  
Pinus strobus  
Stollstown  
Frostation  
Foxellton  
Tillington  
Lothrop's Hill  
Youngstown  
Camp

June 22 Ohio

Warren 4 mi.

Otocoris, first  
Aspens, a few in  
snowbank places  
Boreotinus 2  
Rosettis abn  
spizella sociabilis

Cleveland

Oberlin

Bellevue

Camp

Toledo  
Bicknellis  
Otocoris

June 24

Clyde

Detroit 2 P.M.

June 25 left Detroit

2 P.M.

Ypsilanti

~~Marquette~~ camped.  
Clinton

June 26 left 8 A.M.

Citellus <sup>1</sup> 3lineatus  
(18 mi. W. Clinton)

Otocoris

Coldwater 12 M.

Train to Ossego, 6 P.M.

June 27

Minneapolis  
Elk River

Meadow Lark

Arremon superciliosus 1  
Bonasa

Trogon violaceus 1  
Colinus corn.

Hydrochilus com  
Botaurus 1

Bubo borealis 1

Accipiter cooperii 1

Zenaidura abur.

Croyle 1

Coccyzus 1

Colaptes com

Dryobates <sup>malayensis</sup> a few com.

Corvus com.

Tyrannus tyrannus com

Empidonax traillii

Contopus com.

Tayornis "

Corvus " yg.

Grus canadensis " "

Agelaius " "

Motacilla "

Dolichonyx "

Sturnella "

<u>July 3</u>	<u>Elk River, 10 a.m.</u>	Marsh wren	co
<u>A. P. Rain &amp; Fargo.</u>		Hylocichla	4
<u>St. Cloud</u>		Mirula	u
<u>Wabasha</u>		Sidla	u
<i>Lectes galbula</i> , com.		Cyanoritta	u
<i>Pyrrhanga rubra</i> ..			
<i>Alauda</i>	"		
<i>Pooecetes</i>	"		
<i>Spizella breweri</i>	"		
" <i>pusilla</i>	"		
" <i>pallida</i>	"		
<i>Ammodramus</i>	1		
<i>Hirundo</i>	com		
<i>Progne</i>	"		
<i>Astragalius tristis</i>	"		
<i>Lanius</i>	2		
<i>Coccygus</i>	a few		
<i>Vireo olivaceus</i>	com		
<i>Sitta</i>	"		
<i>Penthestes</i>	"		
<i>Troglodytes</i>	"		
<i>Ammatilla</i>	"		
<i>Zosterops</i>	a few		

July 3

Elk River ♀

N.P. for Fargo 10 A.M.  
St. Cloud  
Watab

Little Falls lunch

Lincoln. fine lakes & swamps  
a summer resort,  
All canadian zone.

Tomarade

Spruce

Pines

Aspens

Birches

A few oaks on ridges

Staples

Wadena

Fargo, 7 P.M.

July 4

Fargo, at Gardner Hotel  
To fair to see bird collection  
To Agri. College

July 5 - Left 6:10 A.M. on J.V.  
To Grand Forks, 8:20  
Left Grand Forks 9:20 A.M.  
To Devils Lake, 3 P.M.

July 6 Devil's Lake.

Gully Hill

*Auræus macrocarpa*  
*Fraxinus nigra*  
*Ulmus americana*  
*Populus tremuloides*  
" *balsamifera*  
*Prunus austrocarpa*  
" *pin*  
*Amlanchier*  
*Symplocos*  
*Tilia*  
*Salix*  
"  
"  
*Ampelopsis*  
*Vitis*  
*Bittersweet*  
*Rosa*  
*Boraginosa*  
*Prunus rostrata*  
*Prunus americana*  
*Regundo*

*Ribes*

"  
*Rubus*  
*Cornus*  
*Rhus tox*  
*Aralia - sassafras*  
*Viola canadensis*  
*Aquilegia*  
*Pyrola rotundifolia*

# Devil's Lake & Eddy Hill

July 6,

<i>Prairiecooter</i>	<i>dilophus</i>	a few
<i>Taras philadelphicus</i>		co
<i>Sterna</i>	<i>franklini</i>	"
<i>Hydrochelidon</i>		"
<i>Spatula clypeata</i>		1
<i>Botaurus</i>		3
<i>Zenaidura</i>		co
<i>Circus</i>		1
<i>Colaptes</i>		2
<i>Short eared Owl</i>		5
<i>Tyrannus verticalis</i>		1
"	<i>Tyrannus</i>	co
<i>Quiscalus</i>		-
<i>Agelaius</i>		"
<i>Molothrus</i>		"
<i>Dactrylus galbula</i>	& Yg.	"
<i>Zamelodia</i>	, rose	4
<i>Melospiza</i>		hard
<i>Pooecetes</i>		"
<i>Ammodramus</i>		:
<i>Spizella pusilla</i>		"

<i>Progne subis</i>	co, in
<i>Hirundo</i>	co
<i>Ampelis cedrorum</i>	2
<i>Sturnus aestivalis</i>	co
<i>Trochocichla</i>	"
<i>Minimus carolinensis</i>	"
<i>Merula</i>	"
<i>Hylocichla fuscescens</i>	2
<i>Passer domesticus</i>	co
<i>Procyon</i>	1 fresh track
<i>Citellus</i>	3 lineatus in
<i>Richardsonia</i>	"

July 7 Devils Lake, 7:0:30

All the same to Towers  
West of Towers 6 or 8 mi.  
big sand dune area  
reaches to 8 mi. more  
to Senhigh.

Still sandy in places  
Granville

no more sand -  
low ridges & swells  
slightly arid  
Bartramia 2

Minot 1:40

Bethold

Aurilia, Ford auto firey

Kimball  
Diguits  
Croasby 8 PM

Croasby July 8

<u>Sympetrum</u>	,
<u>Totanus</u>	1
<u>Agelaius tricolor</u>	2
<u>Bartramia</u>	con.
<u>Circus</u>	,
<u>Asio flammeus</u>	1
<u>Agelaius</u>	con
<u>Molothrus</u>	u
<u>Calonospiza</u>	+
<u>Rhynchosperus</u>	u
<u>Pooecetes</u>	u
<u>Spizella pallida</u>	u
<u>Otocoris</u>	u
<u>Clavicolula riparia</u> , u	u
<u>Sturnella</u>	u
<u>Otocoris</u>	u
<u>Passer</u>	

July 9, to hills 15 mi. S.  
2200 feet

Crosby July 8 -

*Chondestes grammacus* steppeus 2  
*Oreococcyx* 1  
*Bartioria* a few  
*Pediocactus* 1  
*Buteo borealis* 1  
*Aechmophorus occid.* ferrugineus 1  
*Circus* 2  
*Asio flammeus* 1  
*Tyrannus tyrannus* 3  
*Ochetorhynchus* 2  
*Molothrus* can  
*Sturnella* " "  
*Rhynchosoma maculatum* " "  
*Coccyzus americanus* " "  
*Pooecetes* " "  
*Ammodramus* " "  
*Coturniculus* ? "  
*Spizella pallida* a few "  
~~*Otocoris*~~ can " "  
*Calamospiza* "  
*Oreothraupis* 2

*Rosa arkansana* abn  
*Simplicocarpus* <sup>big</sup> a few "  
*Atriplex nuttallii* ? a little  
*Anemone canescens* "  
*Gutierrezia*  
*Glyceria lilioides* "  
*Hedysarum occidentale* "  
" "  
*Pitalestes violacea* can  
*Psoralea argophylla* <sup>white</sup> a few  
" *esculenta* 1  
*Pulsatilla patens* can  
*Grindelia triflora* a few  
*Malvastrum coccineum* can  
*Artemisia frigida* abn  
*Dracunculus* a few  
*Ludoviciana* abn  
*Gutierrezia* very little  
*Solidago rigida* can  
" *Missouriensis* "

*Achillea millefolium*  
*Gaillardia* com  
*Braunvia* " "  
*Ratibida* "  
*Grindelia* along road  
*Gaura coccinea* " "  
*Oenothera* big yellow  
*Mesolix* rose, " "  
*Anemone canadensis* " "  
*Potentilla anserina?* a little  
*Nyctaginea* in field.  
*Potentilla* by  
*Oxelropis lantana*  
*Zygadenus*

Gramineae grass, mostly  
 Stipa abn.  
 other grasses in great  
 variety.

*Antilocapra* com. 1903  
 last seen in 1906.  
*Odocoileus hemionus?*  
 1 pt. horns pro Gordon N.  
*Citellus sieboldi* abn  
 " *Blivatus* a few. 1.  
*Pronghorns* bands, com.  
*Rockchucks* 1  
*Microtus drummondi* com.  
*Perognathus fasciatus* 1  
 " abn. com in craters.  
*Erthizon*, 1 nest known  
*Thomomys* a few  
*Lepus campestris* "  
*Canis latrans* a few  
*Vulpes fulva* "  
*Urocyon longicauda* 1  
*Taxidea* com.  
Reptiles the  
*Entomia* 2  
 Green frog com  
 Warty toad com

July 11

Achi  
Gail  
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Rat  
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Or  
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Left Crosby 7:15 A.M.  
Kenniston 10  
Kennare 10:30

Amware, July 11 -

*Hawthorius stipes*, abn.  
*Podolimbus* abn. ~~leaps~~ con.  
*Colymbus* abn. a few  
on *H. californicus* con  
*Fulica* egg. con  
*Botaurus* con  
~~*Buteo swainsoni*~~ con  
*Pozzae curvirostra* con  
*Circus cyaneus* 1  
*Ictis scandens* abn  
*Circus hudsonius* a few  
*Erythraea cibida* "  
*Anas bairdii* "  
~~*Totanus leucurus*~~ abn  
*Helidoxa saltatrix* 1  
~~*Colaptes*~~ con  
*Tyrannus verticalis* con  
~~*Tyrannus*~~ con  
*Cordiles* egg. "  
*Corvus* hard  
*Xanthocephalus* egg. on  
*Cyanoccephalus* ?



July 11

Achi  
Gail Left Crosby 7:15 A.M.  
Bra  
Rat Kimister 10  
Gr Kemmer 10:30  
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unware, July 11 -

*Chondestes grammacus* abn.  
*Pooecetes griseus* com.  
*Colinus virginianus* a few  
" *N. californicus* com  
*Turda* " yg. com  
*Buteo swainsoni* com  
~~*Buteo virginianus*~~ com  
*Pooecetes carolinensis* "  
*Circus aegyptius* "  
*Lanius borealis* a few  
*Circus hudsonius* com  
*Eremopterix sabulosa* "  
*Anas diazi* "  
*Totanus flavipes* abn  
*Heliosciurus saltatorius* "  
*Colaptes* com  
*Tyrannus verticalis* com  
" *Tyrannus* com  
*Chondestes* " yg. "  
*Corvus* com  
*Xanthocephalus* yg. com  
*Cyanoccephalus* ?

<i>Zenaidura</i>	a few
<i>Agelaius</i>	abn
<i>Motacilla</i>	1
<i>Sturnella</i>	com
<i>Calcarius ornatus</i> , a few	
<i>Pooecetes</i>	co
<i>Ammodramus</i>	"
<i>Coturniculus</i> ?	
<i>Melospiza</i>	a few
<i>Spizella pallida</i>	com
<i>Passer domesticus</i>	"
<i>Oxydurus</i>	"
<i>Actitis macularia</i>	2
<i>Mivosa cardinensis</i>	4
<i>Merula migratoria</i>	3
<i>Deodorus</i>	
<i>Geothlypis</i>	com
Marsh Wren, long-billed a	
<i>Sturna hirundo</i>	2
<i>Icterus galbula</i>	1 imm.
<i>Bobolink</i>	1 ad.

<i>Aythya valisineria</i> , a few	
<i>Aythya americana</i> , com	
Pintail	"
Ruddy	"
Gadwall	"
Avocet	"
Querquedula discors	"
<i>Macula</i>	?
<i>Botaurus</i>	com
<i>Porzana</i>	"
<i>Sturna hirundo</i>	2
<i>Hydrochelidon</i>	com
<i>Sympetrum</i>	2
<i>Icterus flavipes</i>	abn
<i>Platropus idios</i>	
<i>Actitis</i>	
<i>Oxyechus</i>	
<i>Tringa minutilla</i>	6
<i>Bartramia</i> ♀ yg. a few	
<i>Pediocetes</i> ♀ yg.	com
<i>Tympanuchus</i>	"
<i>Zenaidura</i>	"
<i>Chondestes</i> ♀ yg.	a few

<i>Calaptes</i>	1 egg. com.
<i>Cinnyr</i> <i>toroops</i>	a few
<i>Tyrannus tyrannus</i>	com.
" <i>viricius</i>	"
<i>Empidonax vires</i>	1
" <i>trailli</i>	com
<i>Otocoris</i>	"
<i>Corvus</i>	3
<i>Euphagus</i>	?
<i>Agelaius</i>	abs.
<i>Strepera</i>	"
<i>Panurus palustris</i>	"
<i>Motacilla</i>	a few
<i>Lanius galvula</i>	1 egg.
<i>Dolichonyx</i> ♂ ad.	1
<i>Passer domesticus</i>	abs
<i>Merops</i>	a few
<i>Pooecetes</i>	com
<i>Spizella pallida</i>	"
<i>Anisognathus</i>	"
<i>Calcarius ornatus</i>	
<i>Astragalinus tristis</i>	4
<i>Pipilo arcticus</i> ?	1

<i>Hirundo</i>	a few
<i>Clivicola riparia</i>	com.
<i>Gothlypis</i>	"
<i>Dendroica aestiva</i>	"
<i>Taxasthra</i>	4
<i>Dermatobia</i>	4
<i>Micula</i>	3
Long-tailed Marshwren	a few
<i>Hylotrichla</i>	1 bird.

Kennar, July 11-17

Negundo

~~Alnus~~

Fraxinus

Populus tremuloides

" cottonwoods, planted,

Crataegus

Prunus americana

" melanocarpa

" pin.

Lepidium argenteum

Diadophis argenteus

Symplocarpus

Rubus strigosus

Salix tre

" cordata

"

"

Rosa

"

Amelanchier

Amorpha canescens

Glycyrrhiza

Astragalus 3

Aragalus 2

Pooraria angophylia

" esculenta

Petasites violacea

" white

Pulsatilla patens

Gaura triflorum

Potentilla

Gutierrezia

Ratibida

Brassleria

Gaillardia

Agoseris

Astragalus rigidus

" latifolius

" dracunculoides

Grindelia

Achillea

Carduus

July 16 to Zolley & Rivers

Malvastrum coccineum  
Gaura coccinea  
Mesolix rose  
Cenothera biennis

*Mammillaria vivipara*  
Lerouxii var.  
Arabica

<i>Bertramiia</i>	♂ yg. a few
<i>Actitis</i>	♂ yg. "
<i>Oryzopsis</i>	"
<i>Falco sparverius</i>	1
<i>Anhinga ferruginea</i>	1
<i>Accipiter cirrocephalus</i>	
<i>Circus</i>	1
<i>Spizyto</i>	1
<i>Tyrannus tyrannus</i>	com
" <i>vestialis</i>	com
<i>Coccygus erythrophthalmus</i>	1
<i>Zamelodia ludoviciana</i>	18
<i>Rhynchopsitta roseicapilla</i>	a few
<i>Calocitta ornata</i>	com.
<i>Orius callosus aeneus</i>	a pair
<i>Icterus galbula</i>	yg. 3
<i>Vireo swainsoni</i>	2
<i>Molothrus</i>	com
<i>Troglodytes</i>	2
<i>Pica</i> , wanted. + others with	0

Kenmare July 11-17, July 17 to Bobells

<i>Citellus richardsoni</i>	abn	<i>Buteo swainsoni</i> & ♀.
" <i>Blarina</i>	com	<i>Asio accipitrinus</i> 7
" <i>franklini</i>	1	<i>Falco sparverius</i> 3
<i>Peromyscus maniculatus</i>	com	<i>Empidonax hammondi</i> 1
<i>Peromyscus</i>	"	<i>Zetetes galbula</i> , a family,
<i>Lapetus</i>	1 com	<i>Zapornia creberrima</i> 1
<i>Microtus</i> <i>riparius</i>	com	<i>Mauremys affinis</i> 100
" <i>p. modestus</i>	"	<i>Larus philadelphicus</i> 7
" <i>drummondii</i>	"	<i>Pectoral sandpiper</i> 1
<i>Fiber</i>	"	<i>Willet</i> 4
<i>Castor</i> , in House R.	"	<i>Euphagus cyanocephalus</i> <sup>com</sup>
<i>Erethizon</i>	a few	<i>Erasmias rufida</i> com
<i>Thomomys</i>	"	<i>Mauremys affinis</i> a few
<i>Lepus americanus</i>	com	<i>Euphagus</i> com
" <i>campestris</i>	"	<i>Larus franklini</i> 1
<i>Canis</i>	a few	<i>Actitis</i> 2
<i>Vulpes</i>	"	<i>Helodramus solitarius</i> 1
<i>Procyon</i> , House R.	"	<i>Spizella</i> 1
<i>Taxidea</i>	"	<i>Laniocera</i> a few
<i>Mephitis</i>	"	
<i>Putorius</i>	"	
<i>Sorex personatus</i>	2	
" <i>richardsoni</i>	1	

Beverst Lake

Widgeon abn  
 Canvasback ♀♀. ev  
 Ruddy " abn  
 Gadwall abn  
 Pintail " "  
 Bluewing teal ev  
 Larus philadelphicus 20  
 Hydrochilidae ev  
 Botaurus "  
 Phalacrocorax abn  
 Yellowlegs "  
 Colymbus p. calif. "  
 Podolimnas a few  
 Circus "  
 Parus 2  
 Asio a few  
 Short-billed Marsh Hen ev  
 Sayornis sena ♀, 2  
 Rhyncopobius sociabilis ev  
 Casuarina orru. ev  
 Fulica "  
 Dolichonyx oryzivorus "

Wards Lake

Wards Lake  
 Podolimnas a few  
 Colymbus n. calif. abn  
 " anatides a few  
 Eraswaera albida ev  
 Mareca affinis a few  
 Spatula clypeata " "  
 Gadwall abn  
 Pintail "  
 Buteo "  
 Coot abn  
 Gallinula ev

Twin Lakes at Steggs Pass

July 18

<i>Oryzopsis n. californicus</i> , abn.		
<i>Podalyrioides australis</i> , ygg, 2	a few	
Gadwall	ygg abn	
Pintail	+yg. "	
Bluetail	com	
Bluewing teal + yg.	"	
Greenwing	1 + yg.	
Shoveler	+yg. a few	
Ruddy	"	
<i>Larus philadelphicus</i>	"	
<i>Hydrochelidon</i>	abn	
Willet	com	
Lesser yellowlegs	"	
Phalarope	abn	
Piedtail	com	
Least	1	
Killdeer	+yg com	
Bartramia	" "	
Coot	" "	
Rail	hand	
Bittern	a few	
Sandhill crane	1	

Piedbilled + yg. 1/2 g. flock

<i>Circus</i>	w
Short eared owl	apar
Nighthawk	-
<i>Zenaidura tyrannus</i>	w
" verticobis	a few
<i>Xanthocephalus</i>	com
<i>Euphagus</i>	"
<i>Agelaius</i>	"
<i>Molothrus</i>	"
<i>Odrychomyx</i>	"
<i>Sturnella</i>	"
<i>Zetetes galbula</i>	hand
<i>Calonectris</i>	a few
<i>Calcarius</i>	com
<i>Pooecetes</i>	"
<i>Ammodramus</i>	"
<i>Otocoris</i>	"
<i>Hirundo</i>	a few
<i>Geothlypis</i>	"
Long billed marsh wren	"

## Thompson Lake

Thick-billed gull	1
Acadie	2
Red necks	co
Ruddy	"

## Footwood Lake

Piping	
<del>long</del> shore 3 yq. 2 ad.	
little sandpiper, <u>pusillus</u> or	
Pectoral	" "
Baird's	" "
Cow-crier	2, 8,
Killdeer	co
Crested	" "
Yellow legs	" "
Gadwall	abn
Pintail	" "
Ruddy	" "
Bluewing + 49	" "
Shoreless	co
Mallard	" "
Scaups	a few
Red head	" "
Columba n. calif.	abn
Poecilophaeus	a few
Larus philadelphicus	a few
" franklini	1
Hydrocolibdon	abn
Tuhea	" "
Rant	heard
Bittern	a few

## Parsons

Lat. 20 mi. W. of Kenmare

Phalarope-	abn.		
Pedioctes	2 sp.	1 flock	Godwits 8
Bullocki swansonii		not	Greenwing teal 8 yg. 2
Circus		a few	Geaux
Asio		"	Goosander
Circus		"	Pintail
Tyrannus	2	"	Spoonbill
Otocoris		"	Ruddy
Euphagus		"	Blue wing
Aegialius		"	Mallard
Motacilla		"	Redhead
Xanthrocephalus	:		Bobolink
Sturnella		"	Eared
Solycorix		"	Coot
Calcarius		"	Ring-billed gull
Rhynchosciurus		"	Franklin's
Pooecetes		"	Hydrocoloeus + yg. abn
Anodramus		"	Rail
Geothlypis	sp.		Bittern
Dendroica aestiva	1		Stilt sandpiper
Hirundo	sp.		Baird
Marsh wren, lb -	"		Pectoral
Bank Swallows	2 yg		Emiplumbed

July 20

Left Kenmare 9:30 PM  
Minot 11. P.M.

*Artemisia frigida*  
" " *leptophylla*

*Ratibida*

*Braunisia*

~~*Fulchella*~~ *Gaibardia*

*Antennaria*

*Solidago* 2-23

*Proraria argophylla*

*Petalostemus violaceus*

" white

*Populus tremuloides* (NE. yellow) *Glycyrrhiza*

*Elaeagnus*

*Symplocos*

*Sabicea*

*Leptoglossa* con

*Cornus*

*Amelanchier*

*Populus tremuloides*, a few

*Clethra*

*Rosa* 2

*Monarda*

*Cardios*

*Giliaanthus*

*Grindelia*

*Cusick* 1 east of  
Bethel

All prairie, glacial,  
a few sloughs.

Culver top of Coteau  
monard, short grass.  
Stanley 2257  
Coteau 2262

White earth, 2096

First trace of badland  
in open thickets in NE gulch  
Short grass, arid -  
*Buteo swainsoni* 1  
*Accipiter nisus*  
*Lanius ludovicianus* 1, 12  
*Corvus* 3

Ray. - won't level  
lower, warmer?  
*Helianthus annuus* 1 cor

Nithitos

*Artemisia cana* abn  
*Helianthus annuus* "

H. Buford 2 P.M.

Buford July 22

<i>Laniocera</i>	10
<i>Tympanuchus</i> ?	
<i>Zenaidura</i>	a few
<i>Archibates ferrugineus</i>	2, 4
<i>Circus</i>	com
<i>Falco sparverius</i>	"
<i>Chordeiles</i>	a few
<i>Zenaidura</i> bairdi	40
" verticulus	-
<i>Sayornis sayornis</i>	3
<i>Pica</i>	11
<i>Corvus</i>	3
<i>Euphagus</i>	com
<i>Lanius</i>	1
<i>Chondestes</i>	com
<i>Pooecetes</i>	"
<i>Spizella pallida</i> ?	
<i>Hirundo</i>	1
<i>Zosterops</i>	1
<i>Dumetella</i>	1
<i>Sturnella</i>	com
<i>Salpinctes</i>	3
<i>Trochocercus</i>	2
<i>Merulaxis propinquus</i>	1
<i>Sialia sialis</i> ad & yg,	

Buford

*Pitcairnia precenti* abr.  
x *cordata* "

Nequab

Zebras

21st

*Juniperus virginiana* L. var. *caroliniana* (L.) C. Nees

Common brick  
provenance un-

*Prunus melanocarpa* "

u. *mericana* 4

Andalucia 2

*Teggyrea argentea* 2

Elephant a

*Carey* 44

*Equatorius* 41

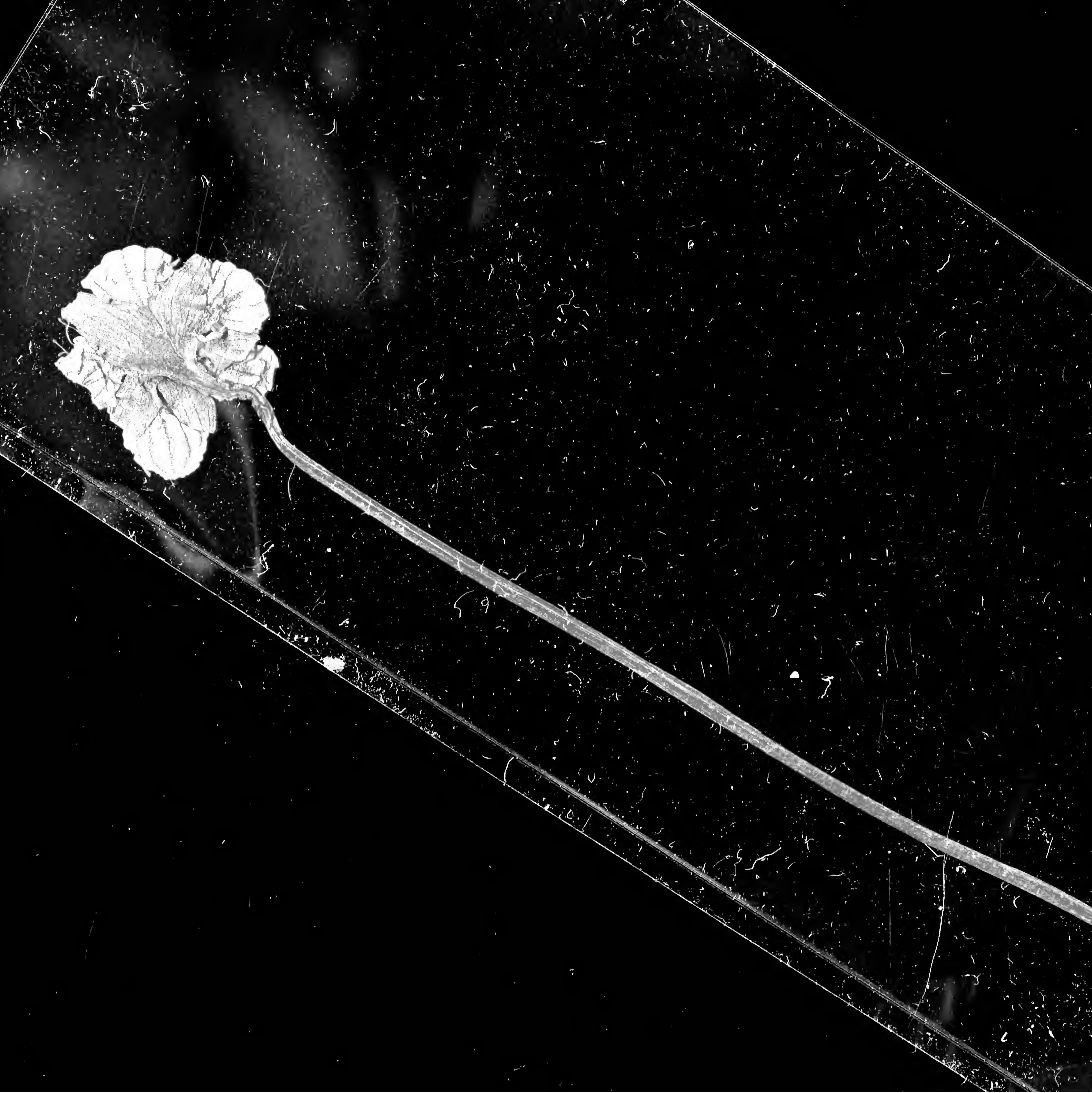
2

Robert 23.  
El. 104

*Rhus toxicodendron*

" *lotusdeway* "

*Anoplotaxis* *ingulatus*



Buford

*Colaptes cafer*      "  
" *auratus*      "  
*Astragalus tristis*      apv.

*Attilus albineus*  
*Peromyscus*  
*Microtus nobatus*  
*Thomomys*  
*Lepus campestris*  
*Erethizon dorsatum*  
*Canis latrans*  
*Erythizon*

*Populus tremuloides* abn.  
*Salix cordata*      "  
"      "  
*Negundo*  
*Fraxinus*  
*lilium*      "  
*Juniperus virginiana*      "  
"      *communis*      "bracts  
"      *procumbens*      "con  
*Prunus melanocarpa*      "  
"      *aristata*      "  
*Amborella*      "  
*Lepidium sativum*      "  
*Eleagnus*      "  
*Carus*      "  
*Symplocarpus*      "  
*Rosa*      "  
*Ribes*      "3.  
*Rhus trilobata*  
"      *toxicodendron*      "  
*Ampelopsis*      "in gubbs

*Artemisia Cava* abn  
 " *frigida* " "  
 " *ludoviciana* " "  
 " *dracunculoides* co  
*Chrysanthemum graveolens* " "  
 " *which* " "  
 " "  
*Antennaria ciliolata* co  
*Helianthus annuus* "  
*Grindelia* "  
*Braueria* "  
*Ratibida* "  
*Gaillardia* "  
*Sarcobatus* a little  
*Atriplex micromeria* co  
*Suaeda* "  
*Eruca sativa* "  
*Mutellina* big few  
*Aspidium missouriense* co  
 " *fragilis* few  
*Menispermum* "  
*Urtica angustifolia* co  
*Plantago patagonica* "

*Glyceria spicata* " "  
*Psoralea argophylla* "  
 " *esculenta* a little  
*Astragalus* " *globata* " "  
 " *congoanus*? "  
*Astragalus* big "  
 " "  
*Pitavalon* *ridalea* "  
 " *canadensis* "  
*Zizaniopsis miliacea* "  
 " *mutalli* big yellow "  
 " "  
*Eriogonum* a little "  
 " "  
*Jaera coerulea* "  
*Onobrychis* " *upana*  
*Microlis rosa* co  
 " "  
*Morinda* *hederacea* "  
*Cleome integrifolia* a little  
*Malvastrum coccineum* co  
*Lycopodium* *Brachystele*

<i>Polygonum alba</i>	co	<i>Calanovilfa longifolia</i>	co
<i>Potentilla gracilis</i>		<i>Agropyrum tenerum</i>	
<i>Carduus</i>	"	<i>viducium</i>	"
<i>Geum</i>	not sp. in ap	<i>Bouteloua oligostachys</i>	"
<i>Astis</i>	"	<i>Andropogon scoparius</i>	"
<i>Solidago</i>	3	<i>Koeleria cristata</i>	"
<i>Thermopsis montana</i>	sp.	<i>Stipa comata</i>	"
<i>Trifolium</i>	on bathes, hair of	" <i>viridula</i>	"
<i>Phlox diffusa</i>	on bathes	<i>Distichlis maritima</i>	"
<i>Gilia</i>	sway -	<i>Calanogrostis stricta?</i>	
<i>Celastris scandens?</i>	co	<i>Hordeum jubatum</i>	abn.
<i>Lactuca pulchella</i>	"		
<i>Lycopodium juncea</i>	"		
<i>Anemone polystis</i>	"		
<i>Ambrosia</i>	2, big		
<i>Xanthium</i>			
<i>Russian Thistle</i>			

Williston, July 26-27

Across Rivers  
& to Banks

Some plants as at Beaufort

*Salix cordata*

" *interior*

" *fluvialis*

*Populus tremuloides*

" *tremuloides*, in NE gulches *Helianthus annuus*

*Ulmus*

*Fraxinus*

*Magnolia*

*Lepargyrus*

*Cornus*

*Cratagus*

*Prunus* 2

*Amelanchier*

*Pitula fontinalis*

*Elaeagnus*

*Rhus trilobata*

" *toxicodendron*

*Rosa* 3

*Symplocarpus*

*Cornus*

*Ribes* 3

*Juniperus* 3

*Artemisia* 5

*Chrysanthemum grandiflorus*

" *cassonae*

*Antennaria serrothrix*

*Braunvia*

*Rubida*

" *Helianthus annuus*

*Solidago* 5

*Aster*

*Cichorium*

*Antennaria*

*Erigeron* 2

*Glycyrhiza*

*Astragalus*

*Aragalus*

*Petalostemus violaceus*

" *canadensis*

*Solanum rostratum*

*Psoralea argophylla*

Williston & Vire

*Psoralea esculenta*

" *glandulosa*

*Vicia*

*Vitis*

*Alastris*

*Ampelopsis*

*Smilax*

*Strophocarpus*

*Chenopodium*

*Humulus lupulus*

*Apolynum*

~~Montbretia~~

*Ambrosia trifida*

"

big

*Xanthium*

*Spartina cynosuroides*

*Muhlenbergia racemosa*

*Elymus canadensis*

*Agropyrum spicatum*  
" *tenuiram*

*Andropogon scoparium*

*Stipa comata*  
" *virea*

*Podolynbas* July 23-27.

*Pintail* + 49. abu

*Blue wing* " "

*Coot* "

*Botaurus* com

*Ardea herodias* 3

*Pelitis vocularia* 1

*Pediocetes* + yg. 2 flocks

*Zenaidura* com

*Chordeiles* "

*Numenius longirostris* 1

*Colaptes cafer*, + hybrids

" *curvirostris* com. + hybrids

*Melanerpes* 3

*Atocoris* com

*Cowus* "

*Xanthocephalus* "

*Emberagus* abu

*Aegithus* "

*Quiscalus* 2

*Sturnella* com

*Astragalinus* afus

*Chlorospiza* "

*Spizella pallida* "

<i>Cyanospiza leucostola</i>	2
<i>Clorchisles</i>	co
<i>Pooecetes</i>	"
<i>Calearius rufus</i>	"
<i>Pipilo aterius</i>	"
<i>Tanias</i> ♀ & ♀	"
<i>Vireo olivaceus</i>	"
<i>Amphispiza bilineata</i>	"
<i>Progne</i>	3
<i>Hirundo</i>	a few
<i>Pithecophobus</i>	nest
<i>Chaetura pelasgica</i>	2
<i>Harporhynchus rufus</i> , aflo	
<i>Junco</i>	-
<i>Tetrao v. longicauda</i>	2
<i>Dendroica aestiva</i>	afw
<i>Geothlypis</i>	co
<i>Troglodytes</i>	"
<i>Salpinctes</i>	"
<i>Micrula m. saopinguia</i>	3
<i>Parnis splendens</i>	afw
<i>Hydrochlidon</i>	1
<i>Cathartes aura</i>	3
<i>Pica</i>	co
<i>Circus</i>	2
<i>Falco sparverius</i>	200

Williston & Vie

<i>Cervus</i>	old barns
<i>Odocoileus hemionus</i>	co
<i>Entomias</i>	"
<i>Citellus richardsoni</i>	abn
.. <i>Thomomys</i>	co.
<i>Pelionyscus misterius</i>	1
.. <i>sonoriensis</i>	abn
<i>Mus musculus</i>	"
<i>Neotoma cinerea</i>	a few
<i>Misrotus woodruffi</i>	1
.. <i>woodruffi</i>	,
<i>Erethizon</i>	2
<i>Tiber</i>	afw
<i>Castor</i>	"
<i>Thomomys</i>	"
<i>Erythizon</i>	"
<i>Syliques</i>	abn
<i>Lepus campestris</i>	afw
<i>Canis</i>	"
<i>Lynx</i>	"
<i>Sorex</i>	1

July 28 To Minot 7 a.m. July 30 Mandan & F.H. Clay  
left 9 a.m.

Velva

Balfour

Drake

Max

Washburn

Bismarck

July 29 Bismarck

*Chorditis* com

*Progne subis* "

*Oreotrochilus pileatus* "

*Chondestes* "

*Empidonax* ♀ ♀ "

*Vireo swainsoni* "

*Oreiseclus* 2

*Trochilus scalaris* ♀ ♀, 5

*Planesticus* com

*Melanerpes* 1

*Grus canadensis* hunted

" *nebrascensis* 1 "

per near Mandan

*Oreiseclus rufescens*

*Fraginus*

*Ulmus*

*Populus fremontii*

" *truncatiloba*

*Salix cordata*

" *interior*

" *amygdaloides*

*Corvus*

*Prunus melanocarpa*

" *americana*

*Lysimachia*

*Elaeagnus*

*Regundo*

*Ribes*

*Rosa*

*Symplocos*

*Prunus strigosa*

*Vitis amurensis*

*Amorpha canescens*  
" *saviiophia*

*Psoralea argophylla*  
" *weakana*

*Astragalus*

*Alyssum*

*Pittonia violacea*  
" *canescens*

*Polygala alba*

*Helianthus annuus*

" *rigidum*

" *tuberosa*

" *petiolaris?*

*Solidago* 5

*Astipa*

*Reticulata canescens*

*Brauneria angustifolia*

*Gutierrezia*

*Celastrus*

*Cirsium undulatum*

*Artemisia* *cava*

" *rigida*

" *mos*

" *arborescens*

*Ligustrum vulgare*

*Lathyrus pulchellus*

*Rubus strumosa* few

*Denothera* - little yellow "

*Mesotrix simulata* a few

*Companula* "

*Malvastrum coccineum* "

*Plantago patagonica*, a little,

*Apocynum* few

*Rhus trilobata* "

obs. " *toxicodendron* com.

*Mentzelia laevicaulis*, at Rio.

*Solanum rostratum* at Mandan.

" *Bartsia alpina*

" *Lathyrus cristata*

" *Calochortus longifolius*

" *Agropyrum tenue*

" *Agropyrum violaceum*

" *Andropogon scoparius*

" *Agrostis* *purpurea*

" *Stipa cava*

" *Calamagrostis stricta*

July 31 1911 Bismarck 1:15 P.M.

Mandan

Other Kinds

Eagles Nest

First Prairie Dogs

3 mi. E. of Hebron

Ditch banks

Medora - P.D.s, 2 mi. E.

*Populus fremonti*

*Ulmus viridis*

*Fraginus viridis*

*Nigundo*

*Pinus ponderosa* a few on hills

*Juniperus scopulorum*, in gullies

" *communis*

" *procumbens*, on hills

*Psoros melanocarpa* w

*Lysagyrus argentea* "

*Atriplex confertifolia* "

" *nullibei*

"

*Bigelovia gracilens* com.

*Chrysothamnus*

*Pterocarya*

*Eurotia*

*Symplocarpus* - com.

*Dondia* com

*Eriogonum* white, on hills  
yellow "

*Artemisia cana* abn

" *Tridentata* a little

" *frigida* com

" *leptophylla* "

" *dracunculus* "

*Grindelia* abn.

*Helianthus annuus* "

*Chrysopsis* "

*Ligustrina gracilis* com

*Xanthium* "

*Prorabia argphylla* a little

" *erecta* "

" *glandulosa* abn.

*Chone* abn.

*Urtica dioica* a little

*Symplocarpus* com

*Cladotis* "

*Rhus trilobata* "

*Salix* 3 "

*Tripterocalyx* "

*Ratibida* "

*Polygonum* - a little

*Plantago parisi* "

Aug. 2+3 N. D. Nat. Forest.

Rosa -

Panicum :

Oryzopsis

Calamovilfa longifolia

Spartina cynosoides

Agropyrum tenue

" rigidum

Bouteloua digastachia

"

little

Stipa comata

" viridula

com.

"

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<i>Cotuloides panicosa</i>	NE	co.	<i>Arctostaphylos uva-ursa</i> N.E. a little
<i>Carinus edulis</i>		"	<i>Atriplex confertifolia</i> SW a little
<i>Vitis?</i>			" nuttallii "
<i>Clastris</i>		com.	" abu. "
<i>Glechoma</i>		"	" "
<i>Impatiens?</i>			" "
<i>Artemisia cava</i>		abu	<i>Dordia</i> com
" <i>tridactyla</i>	NE	open	<i>Mentzelia lutea</i> SW com
" <i>luteo-</i>		abu	<i>Dolamia viscosa</i> a little
" <i>glaucophylloides</i>	com		<i>Pterocles argoptila</i> com
" <i>diacanthoides</i>	"		" <i>esculenta</i> "
" <i>frigida</i>	abu.		" <i>temulifolia</i> , and abu.
<i>Chrysanthemum graveolens</i> <sup>var.</sup>	com		<i>Glyphaea luteola</i> com
" <i>canescens.</i>	NE "		<i>Cupressus pacifica</i> (Hed.) a little
<i>Antennaria</i>	a little		<i>Thermopsis montana</i> N.E. "
<i>Solidago</i> *	com		<i>Petalostoma vilaceum</i> com
<i>Aster</i>	"		" white "
<i>Chrysanthemum</i>	"		<i>Amorpha nelsonii</i> a little
<i>Helianthus annuus</i> (L.)	"		<i>Astragalus coryocephalus</i> "
" <i>rigidus</i> , var.	"		<i>Cracca lomatia</i> "
<i>Lygodesmia juncea</i>	com		<i>Eriogonum</i> white com
<i>Lactuca pulchella</i>	"		" tall white, a little
<i>Brauneria</i>	"		<i>Yucca glauca</i> SW com
<i>Liatris</i>	"		<i>Oenothera missouriensis</i> SW "
<i>Rottbida</i>	"		" <i>praeclara</i> " "
<i>Cyperus</i>	"		<i>Monardella viscosa</i> " "
<i>Achillea</i>	"		<i>Linen rigidum &amp; nuttallii</i> a little com
<i>Grevillea</i>	"		" <i>lewisii</i> "

Aug. 23<sup>rd</sup> N.D. Nat. Forest.

<i>Calanopsis torquata</i>	com
<i>Andropogon comata</i>	"
" <i>purpurea</i>	few
<i>Oryzopsis</i> n. und	abtly
<i>Tipa comata</i>	com
" <i>iridula</i>	"
<i>Bouteloua elegans</i>	abn.
<i>Aquilegia</i> tenuis	"
" <i>violacea</i>	"
<i>Calochortus strictus</i>	com
<i>Dactylis glomerata</i>	"
<i>Monarda</i>	bottoms
<i>Malvastrum coccineum</i>	tops
<i>Gaura</i>	"
<i>Merolix serrulata</i>	"
" <i>caespitosa</i>	"
<i>Lotus americanus</i>	on sand, abn.
<i>Trifoliate calyx</i>	"
<i>Xanthium</i>	"
<i>Eva xanthifolia</i>	"
<i>Lupis leonis</i> , com in gobs	"

<i>Ardea herodias</i>	1 on deep Cr.
<i>Centrocercus</i>	- a few
<i>Pediocetes</i>	com.
<i>Zenaidura</i>	"
<i>Buteo swainsoni</i>	a few
<i>Aquila chrysaetos</i>	"
<i>Circus</i>	a few
<i>Falco sparverius</i>	com.
" <i>mexicanus</i>	"
<i>Micrathene</i>	semibard <sup>2</sup> (tail)
<i>Chondestes</i>	a few
<i>Oryzobates</i>	3
<i>Philohela</i>	com.
<i>Colaptes</i>	"
<i>Sayornis sayornis</i>	"
<i>Tyrannus tyrannus</i>	"
" <i>verticatus</i>	a few
<i>Corvus</i>	"
<i>Pica</i>	com.
<i>Molothrus</i>	a few
<i>Euphagus</i>	com.
<i>Sturnella</i>	"
<i>Otocoris</i>	"
<i>Pipilo arcticus</i>	"

<i>Rhynchosphenes macorni</i>	an
<i>Carearius ornatus</i>	"
<i>Pooecetes</i>	"
<i>Chondestes</i>	a few
<i>Spizella pallida</i>	an
<i>Dolichospiiza</i>	3
<i>Ioxia</i>	hand
<i>Astragalinus</i>	a few
<i>Lanius</i>	an
<i>Totanus</i>	"
<i>Zetaria</i>	"
<i>Grothlypis</i>	a few
<i>Parus septentrionalis</i>	"
<i>Bonibiculus</i>	an.
<i>Haglochytus</i>	"
<i>Salpinctes</i>	"
<i>Morula</i>	nest. eggs.
<i>actitis</i>	2
<i>Bubo</i>	hand
<i>Sialia</i>	"
<i>Junatella</i>	2 (J)
<i>Passerina</i>	
<i>Anthus frugilegus</i>	20
<i>Anisognathus</i>	2

*Ogilbius* - ~~nesting~~ a few

*Hirundo* town "

*Riparia* "

Mammals

*Ovis*

*Antilocapra*, a few

~~*Odocoileus*~~. *macrourus*, a few  
" numerous, very few

*Urocarus pallidus* - an

*Citellus*, *Ste. pallidus*, an.

*Oreamys* 1 town

*Neotoma canescens* 1

*Promyces* an

*Erethizon* "

*Fibis* "

*Sylvilagus baileyi* "

*Lepus canadensis* "

*Thomomys* "

*Lynx canadensis* a few

*Felis* <sup>nest</sup> an.

*Cavia* 2

*Vesper* 2

*Uroplatus* a few

*Zapus* "

Aug. 5 left Sentinel Butte  
at 9 P.M.

Arrived Glendive 10:30  
Arrived - Glendive 6 A.M.  
Arrived Billings 11:30  
found no Canyon runs  
Returned to Huntley 8-9 P.M.

Aug. 7. Huntley to  
Sheridan 8:20 to 12:30.

Aug. 9. Sheridan to  
Wolf & Eatons Ranch  
18 miles. 8-2

Wolf Creek Aug. 10

<i>Prunus sordidosa</i>	4000-4700 <sup>NE</sup>
	4200-7300 <sup>SW</sup>
<i>Populus angustifolia</i>	-6000
<i>Betula fontinalis</i>	-6700 <sup>W</sup>
<i>Cercocarpus angustifolius</i>	4200-6000 <sup>SW</sup>
<i>Juniperus scopulorum</i>	4500-
"    procumbens	-800+
<i>Prunus americana</i>	-6700
<i>Crataegus melanocarpa</i>	5500
"    "    "	-600 <sup>SW</sup>
<i>Ribes</i> <del>diversum</del>	-7300
<i>Grossularia</i> <del>diversa</del> <sup>irregular</sup>	-7300 <sup>SW</sup>
"    "    "	-6700
<i>Amelanchier</i>	-6000
<i>Zeparyrea corymbosa</i>	-5000
<i>Ostrya</i>	5000-7500 <sup>SW</sup>
<i>Balsamorhiza sagittata</i>	7300 <sup>SW</sup>
<i>Artemesia arvensis</i>	4000-7700 <sup>SW</sup>
<i>Rhus glabra</i>	4000-6000
<i>Crataegus</i>	"
<i>Silix cordata</i>	-7500
"    "    "	-4000
"    "    "	-
<i>Berberis repens</i>	4000-6700
<i>Cornus</i>	"

Wolf Creek

<i>Symplocarpus occidentalis</i>	4500
<i>crophiolus</i>	4500-5000 <sup>SW</sup>
<i>Campanula</i>	- 5000
<i>Monender fistulata</i>	- 7500
<i>Streptopus</i>	4000 -
<i>Pentstemon</i>	· - 7500
<i>Clematis</i>	-- 4300
<i>Rubus strigosus</i>	- 7700
<i>Geranium</i> big	4000 <sup>NE</sup> - 7500 <sup>SW</sup>
<i>Calochortus</i>	4500 - 7700 <sup>SW</sup>
<i>Symplocarpus</i>	4000 - 7500 <sup>W</sup>
<i>Gaillardia</i> - big	- 7700 <sup>SW</sup>
<i>Gaura</i>	
<i>Potentilla</i> rotundifolia	4000 <sup>NE</sup> - 8200 <sup>SW</sup>
<i>Erythronium</i> speciosum	4000 - 7500 <sup>SW</sup>
<i>Cypripedium</i>	"
<i>Aconitum</i>	"
<i>Gilia</i>	- 7500 <sup>SW</sup>
<i>Linen</i> lewisi	- 7300
<i>Lupinus</i> big	4000 <sup>NE</sup> - 7500 <sup>SW</sup>
<i>Adonis vernalis</i> Updator	- 5000 <sup>SW</sup>
<i>Lithospermum</i>	- "
<i>Pulsatilla</i> patens	- 7500 <sup>W</sup>
<i>Fragaria</i>	- 5000 <sup>NE</sup> - 7500 <sup>SW</sup>
<i>Companula</i>	- "
<i>Solidago</i>	

Canadian pines

<i>Pinus</i>	4700 - 4500-8000 <sup>NE</sup>
<i>Pseudotsuga</i>	4500-4000 <sup>NE</sup>
<i>Populus tremuloides</i>	4000-7700 <sup>NE</sup>
<i>Acers</i> glabrum	4000-6000 <sup>NE</sup>
<i>Ligustrum canadense</i>	" "
<i>Juniperus communis</i>	4000-8000 <sup>NE</sup>
<i>Pinus strobus</i>	7000 - 8000 <sup>SW</sup>
<i>Grosularia wolfi</i> (Hed)	4700-7700 <sup>NE</sup>
" <i>sanguineum</i>	4700 - "
" <i>orientalis</i>	- 8000+
<i>Pinus murrayana</i>	4700 <sup>NE</sup> 7500 SW - 9000+
<i>Anemone</i>	7300-8000+
<i>Vaccinium</i>	7300-8000+
<i>Lathyrus palustris</i>	
<i>Hedysarum</i>	
<i>Perovskia</i>	
<i>Companula</i>	
<i>Heuchera</i>	4700 -
<i>Sedum</i> daigeti?	- 8000 <sup>SW</sup>
<i>Saxifrage</i> rotundifolia	7500
<i>Spiraea</i> rosea	4700-8000
<i>Gyrola</i>	
<i>Ribes</i> sanguineum	7000 - "
<i>Salix</i> , red	" -

Transition

<i>Franseria glauca</i>		-75 <sup>sw</sup>
<i>Castilleja</i>	nd	5000-75 <sup>sw</sup>
"	other	-
<i>Artemisia frigida</i>		-67 <sup>sw</sup>
" <i>stellaria</i>		-60 <sup>sw</sup>
" <i>daucifolia</i>		-
<i>Solidago</i>		
"		
<i>Aster</i> big.		6000-77 <sup>sw</sup>
<i>Helianthus rigidus</i>		-70 <sup>sw</sup>
<i>Celithia</i>		-80 <sup>sw</sup>
<i>Rosa</i> 3		-67 <sup>sw</sup>
<i>Peronychia</i>	6000-	

<u>Big Horn Mts. Wyo.</u>	
<i>Ovis</i>	afew
<i>Cervus</i>	doing well
<i>Odocoileus hemionus</i>	+
" <i>macrourus</i>	scarce
<i>Sciurus</i>	-
<i>Eutamias</i>	-
<i>Neotoma</i>	"
<i>Cynomys</i> 1 dogtown	+
<i>Pteropus</i>	+
"	-
<i>Urocastor woldax</i>	1
<i>Neotoma</i>	-
<i>Thomomys</i>	-
<i>Lepus canadensis</i>	-
" <i>bairdi</i>	-
<i>Sylvilagus baileyi</i>	-
<i>Erythizon</i>	afew
<i>Felis</i>	"
<i>Fox</i>	scarce
<i>Canis</i> 2	-
<i>Vulpes vulp</i>	afew
<i>Futorius amoenus</i> 1	-
<i>Sorex obscurus</i>	1
<i>Neosorex</i>	-
<i>Bats</i>	scarce

Wolf Creek Aug. 9-11

<i>Helioborus solitarius</i>	2
<i>Pedioetes</i>	1
<i>Dendragapus</i>	co
<i>Trochalaa</i>	"
<i>Falco sparverius</i>	"
<i>Aquila chrysaetos</i>	2
<i>Circus</i>	co
<i>Colaptes</i> cfr	"
<i>Ceryle</i>	"
<i>Corvus ammonius</i>	co
<i>Pica</i>	"
<i>Neotrogon</i> at 8000	"
<i>Querula</i>	.. a few
<i>Spizella arizonae</i>	"
<i>Altospiza</i>	"
<i>Passerina</i>	2 at 6000
<i>Cistragatus</i>	co
<i>Spinus</i>	a few at 7000
<i>Pooecetes</i>	co
<i>Habia</i> J.	
<i>Pyrrhula ludoviciana</i>	co
<i>Vireo swansonii</i>	-
<i>Empidonax</i>	..
<i>Contopus richardsoni</i>	-

Wolf & Shridar

Hawes low-soe, w.  
White-throated swift 1 (poor)  
Pipilo archies w.  
Salpinctes " "  
Dendroica auduboni loco, a few  
" aestiva " "  
Cinclus 1 (J.)

Populus angustifoliae w, abn.  
" tremuloides a little, w.  
" pruonii w.  
Salix cordata "  
" angustifoliae  
" floristalis "  
Vigundo  
Prunus avium  
" malvacepha "  
Amelanchier "  
Crataegus "  
Liquorice angustifolia  
Ribes nigrum SW "  
" Tax "  
Artemisia 5 abn.  
Solidago 4 "  
Helianthus rigidus abn.  
" annuus abn.  
Grevillea "  
Tratia abn.  
Xantholimon "  
Chrysopsis "  
Gutierrezia "  
Gedrois tetraphylla "

Shridar

Eutamias corsicensis 2

Aug 12 5 miles 12:50

<i>Fraxinus</i>	cm
<i>Ribes aureum</i>	"
" <i>d. irreg.</i>	"
<i>Rosa</i> ?	"
<i>Lupinus</i>	"
<i>Psoralea argophylla</i>	"
" <i>trifolia?</i>	"
<i>Glycyrrhiza</i>	"
<i>Astragalus</i>	"
<i>Acroglyphe</i>	"
<i>Cleistis</i>	"
<i>Lupis hirsutus</i>	"
<i>Malvastrum</i>	"
<i>Eurotia</i>	cm in places
<i>Atriplex</i>	" "
<i>Ziziris</i>	cm
<i>Verbena stricta</i>	"
<i>Plantago</i> "	"
<i>Yucca</i>	a few

Clear Creek V

<i>Garedotus</i>	obs
<i>Orientia</i>	-
<i>Orizopsis</i>	-
<i>Populus fremontii</i>	-
<i>Atriplex</i>	-
<i>Eurotia</i>	-
<i>Tragia</i>	-

Arvada - Aug. 12.

<i>Populus fremonti</i>	abn	<i>Chiono</i>	abn
<i>Salix fluvialis?</i>	com	<i>Solanum raphanifolius</i>	a few
<i>Nigundo?</i>	"	<i>Mintzelia</i>	"
<del>Festuca</del>		<i>Orizopsis</i>	abn.
<i>Juniperus scopulorum</i>	a few	<i>Bouteloua oligostachys</i>	"
<i>Parrya melanocarpa</i>	a few	<i>Iva axillaris</i>	"
<i>Lipaegyra argentea</i>	"	<sup>Xanthophylla</sup> <i>Verbena stricta</i>	"
<i>Rhus tristis</i>	com	<i>Yucca</i>	a few
<i>Ribes cereum</i>	a few	<i>Helianthus annuus</i>	abn.
" cereum	com	<i>Grindelia</i>	"
<i>Bigeelia</i> - 5	abn.	<i>Xanthoxylon</i>	"
<i>Asterisca</i> - 5	"	<i>Salsola</i>	"
<i>Atriplex canescens</i>	com.	<i>Melilotus alba</i>	"
<i>Sarcobatus</i>	abn	<i>Tryptocalyx mic.</i>	abn.
<i>Eurotia</i>	com		
<i>Dondia</i>	"		
<i>Opuntia</i>	abn.		
<i>Abronia</i> <sup>whites</sup>	a few		
<i>Plantago purshii</i>	com		
<sup>"</sup> <i>Psoralea</i> <sup>bigelowii</sup>	"		
<i>Psoralea glandulosa</i>	"		
" <i>tenifolia</i>	"		

# Arvada

<i>Ardea</i>	co	<i>Salpinctes</i>	ab.
<i>Oryzopsis</i>	"	<i>Toxostoma</i>	co
<i>Aetus</i>	"		
<i>Heliosorus</i>	"		
<i>Batrachium</i>	"		
<i>Centrocercus</i>	said to be co.		
<i>Zenaidura</i>	ab.		
<i>Buteo b.</i>	"		
<i>Falco sparverius</i>	co		
<i>Circus</i>	"		
<i>Colaptes cafer</i>	co		
<i>Malacoptes</i>	"		
<i>Charadrius</i>	"	<i>Crotalus confluens</i>	
<i>Pica</i>	"	<i>Pituophis sayi</i>	
<i>Chondroctes</i>	"		
<i>Pooecetes</i>	"	<i>Sceloporus</i>	
<i>Spizella breweri</i>	"		
<i>Tyrannus verticalis</i>	a few		
	tyrannus	"	
<i>Sayornis sayus</i>	"		
<i>Otocoris</i>			
<i>Punthetes septentrionalis</i>	co		

Nevada

*Odocoileus hemionus*, com.  
" *macrourus* 5  
*Antilocapra* com.  
*Eudamias galibius* 1  
" *conspicillatus* abn.  
*Uroconus* 1 a few  
*Perognathus sonoriensis* abn.  
*Oryzopsis* 1 com.  
*Ruthiodontomys* 2 ..  
*Mus musculus* 1 f " " " " " " " "  
*Perognathus fasciatus* 2 .. " " " " " " " "  
*Perodipus* abn. " " " " " " " "  
*Thomomys* a few " " " " " " " "  
*Sylvilagus* abn. " " " " " " " "  
  
*Canis rufus* com.  
" *occidentalis* " " " " " " " "  
  
*Scalopus*? edges reported  
  
*Bats* big a few seen  
" tatty - -

Aug. 13 to Gillette - 4546 ft.  
Aug. 14 to Moorcroft 4211 ft.  
  
*Populus fremontii* com. dry.  
*Salix* { *glauca* *americana* " "  
*Magnolia* a few  
*Rhus trilobata* a few  
*Artemisia tridentata* abn.  
" " *carrizo*  
" " *rigida*  
" " *lepto*  
*Artemesia nuttallii* "  
*Sarcobatus* "  
*Opuntia* abn.  
*Maurandina* a little  
  
*Yucca* "  
*Polygonia gracilis* com.  
" gray "  
  
*Gutierrezia* "  
*Helianthus annuus* "  
" "  
*Grindelia* "  
*Chrysopsis* "  
*Liatris* "

<i>Eurotia</i>	"		
<i>Ericameria</i> 2	"	<i>Oryzopsis</i>	abu
<i>Linnia nuttallii</i>	"	<i>Oligastachys</i>	"
" <i>rigida</i>		<i>Andropogon</i>	"
<i>Poosalia argophylla</i> , <i>ciliata</i>		<i>Culvera ciliata</i>	"
" <i>glandulosa</i>	abu.	<i>Calanovilla</i>	"
<i>Glyceria</i>	"	<i>Agropyrum</i> 3	"
<i>Lupinus</i>	"	<i>Stipa</i>	"
<i>Asteroidea brachycarpa</i> (purple)	"	<i>Sportula</i>	a few
" (yellow)	"	<i>Distachys</i>	one
<i>Pentstemon</i>	"		
<i>Malvastrum coccineum</i>	"		
<i>Lycopodium juniperina</i>	"		
<i>Antennaria</i>	"		
<i>Amelanchier</i>	"		
<i>Solidago</i> 5	"		
<i>Tripterosiphon</i>	"		
<i>Aconitum</i>	"		

Mozeroff

Oryctes a  
Wroptasaurus  
Zevadura  
O. Prototypo , family  
Arenus  
Taleo opas  
Melanopas  
Colaptes coqu  
Chordiles  
Tyrannus verticalis a  
" tyrannus  
Otocoris  
Euphagus e  
Calauropsiza  
Chondstis  
Pooecetes  
Spizella breweri  
Calcarius  
Asturillus  
Paser domesticus  
Centroscopus septentrionalis  
Torastrua  
Lanius

Worcester

afew	<i>Odocoileus hemionus</i>
1	<i>Antilocapra</i>
1	<i>Eudamia pallidus</i>
1	<i>Cervus</i>
2	<i>Thomomys</i>
1	<i>Lepus campestris</i>
1	<i>Spermophilus tridecemlineatus</i>
2	<i>Oaries</i>
afew	<i>Lynx</i>

<u>Aug. 16 stage 8 Sundance</u>	<sup>7 AM</sup>
Mooreast	4468 4211
Ridge	5710 4900
Dinner station	<del>4950</del> 4750
Sundance	42 miles 4 P.M. 4900 4750
Cyanocyphebus	4
sea	—

Sundares Aug 16 -

Balsamorhiza ang.  
A. N.

Artvin 5

*Solidago* 5

## Gutierrezia

Bigelowia

Brewster

Tatris

Rosa 2

# Prostheca argophylla

.. *semita*

*Geranium* big

Kermanensis

*Wrethia*

Pteridium

Aboriginal

*Ectobius spicatum*

Autumn

big angle

big pale purple

Sand Cr.

# Ostrygia

James

*Populus tremuloides*  
*Betula alba*  
*Ipsangaea canadensis*  
*Juniperus communis*  
*Corylus nustrato*  
*Vaccinium myrtillus*  
*Linnea*  
*Prunus*      *pin.*  
*Salix*      *red*

*Yucca*  
*Opuntia*  
*Ribes aurum*  
"      *ceratum*  
*Rhus hirtata*  
*Populus tremuloides*  
*Hibiscus armenius*  
*Gentilia*  
*Chionanthus*  
*Salix*  
*Mertzelia*

Black Hills Aug. 27 & 23

*Trochus*  
*Rubus nuthans*  
*Picea*      *reported a few*  
*Prunus*  
*Apocynum*

Sundance + Bear Lodge Mts.

	Turco	6 or 7
w	Astragalinus	"
2	Pipilo crassirostris	open
1	Habia melanocephala reported	
com	Lanius	open
2	Vireo	"
3	Contopus rich	"
w	Otocoris	abn.
w few	Zenaidura	2
com	Pintastes sept	"
1	Dendroica borealis	"
open	Salpinctes	"
1	Robins	abn.
w	Thraupis	"
w	Sialia s. s.	"
"		
w, w.		
w		
"		
abn.		
"		
"		
"		
"		

Aug. 28+21, up Bearlodge Mts., & down Sand Creek

Aug. 22+23 up Rattlesnake Can.

23 miles to 6000 ft.

Pedioecetes	6000 abn	Zenaiduraphilus	-	-
Bonasa	.. few	Penthestes sept.	-	-
Circus	..	Robins	abn	abn
Buteo borealis	2	Sialia arctica	abn	S. V.
<del>Spizella breweri</del>	in Valley	Cirrole alcyon	1	Sand Creek.
Oreopholus	abn	Cinclus	,	co
<del>Spizella breweri</del>	abn	Tyrannus tyrannus	,	
Sphyrapicus thyroideus	6000-3	Megascops	hard	
Perisoreus	5000-6000	Glaucidium	described	
Neocitta	1 6000 ft	Cathartes virginianus	,	co.
Sturnella	..	Sayornis saya	co in valley	
Phalaenoptilus	2 6000	Buteo	hard	
Contopus richardsoni	abn			
Otocoris	abn V.			
Pipilo erythrurus	afew			
Calocitta	abn in V.			
Pooecetes	-			
Spizella	-			
Turco	co 5000-6500			
Astroagelius	..			
Sturniolele auduboni	..			
Operosus	-			

Bear Lodge Mts. & Black Hills

<i>Bison</i>			
<i>Cervus</i>	42 old + 25 calves	old bucks	
<i>Odocoileus</i>	trivialis	a few	
"	macrourus	"	
<i>Sciurus hudsonicus</i>	com	<i>Neotoma</i>	com
<i>Sciurus</i>	"		a few
<i>Eutamias</i>	abn	<i>Procyon</i>	com
<i>Citellus</i> , 3 lin.	com	<i>Vulpes fulvus</i>	a few
<i>Thomomys</i>	"	<i>Urocyon</i> - described	
<i>Peromyscus l.</i>	abn	<i>Ursus horribilis</i>	a few
" m.	"	" an - never seen any	
<i>Zapus</i>	"	<i>Peromyscus</i>	2
<i>Microtus longicaudus</i>	com	<i>Lutreola</i>	a few
" <i>ochotensis</i>	"	<i>Sorex</i>	3
" <i>canoides</i>	"	<i>Eptesicus fuscus</i>	1 com
<i>Fiber</i> <i>ayacahuite</i>	3	<i>Coronotis</i> in caves, abn	
<i>Erethizon</i>	3 a few	<i>Myotis</i>	2 com
<i>Erethizon</i>	2 com		
<i>Monodelphis</i>	reported com	<i>Perognathus fasciatus</i>	1
<i>Cynomys</i>			
<i>Castor</i>	a few		
<i>Thomomys</i>	abn		
<i>Lepus campestris</i>	a few		
<i>Lepus</i>	1		
<i>Lynx</i>	a few		
<i>Urocyon</i>	com		
<i>Canis occidentalis</i>	a few		
" <i>macrourus</i>	com		

Aug. 29 to Upton

Aug. 31 Upton, 7:00 A.M.

Northwest

Edgmont 9 A.M.

*Populus fremontii* abn

*Salix*

*Sarcobatus* abn.

*Asternia biuncata* com

" *arva* "

" *lepto. & graph.* "

*Chrysanthemum coronarium* "

" *small* "

*Lilium* *annuum* abn

*Gentiana* "

*Xanthium* "

*Iva Xanthioides* "

*Liatris* com

*Chionanthus* "

*Desmodium cajanum* "

*Edamia involucrata* "

*Opuntia* abn.

*Acacia nutt.* com.

*Argemone platyceras* "

*Euphorbia nivosa* "

*Quercus* "

Sept. 1 Edgmont, 9 A.M.

Castor, 11 to 5, bridgeport.

Hill City 6 P.M.

Deadwood 10 P.M.

Sept. 2 1 P.M. Deadwood 7 A.M.

Spearsfish 10 A.M.

Sept. 3 Spearfish 8-10

Belle Fourche 16 mi.

To Chadron, 5 & 12 P.M.

Sept. 3, Spearfish 8 AM  
Bell Fourche 10 AM

*Pinus ponderosa*

*Quercus*

*Ulmus*

*Fraxinus*

*Negundo*

*Populus angustifolia*

*Prunus melanocarpa*

*Crataegus*

*Artemisia* 5

*Bistorta* prostrata

*Gutierrezia*

*Solidago* 4

*Thermopsis*

*Trifolium*

*Zenaidura*, *ca.*

*Candidium torquatum* 1

*Colaptes*, *ca.*

*Sturnella* *obs*

*Hirundo* 5

*Pica*, *ca.*

*Calamospiza*, a few

*Perocetes*, *ca.*

*Corvus* *ca.* 1

*Populus tremuloides*

*Rhus trilobata*

*Ribes aureum*

*Opuntia*

*Yucca*

*Cleome*

*Euphorbia marginata*

*Solanum nelsonii*

*Plantago persistens*

*Helianthus annuus*

*Grindelia*

*Chrysanthemum coronarium*

*Erigeron* *white*

*Prunus besseyi*

*Bouteloua*

*Andropogon* 3

*Tripterosicyos menziesii*

Sept. 4 Chadron, 7:20<sup>AM.</sup>  
Casper

Sept. 5, Casper, left 11 AM.

Cheyenne 7 PM.

Sept. 7, Cheyenne 8:30 AM.

Denver 12-3:30 PM.

Sept 8 -

Lincoln, Neb. arrived 5 AM.

Left Lincoln 2:10 PM

Omaha 3:30 7 PM

Sioux City 10:30 PM

Sept 9 left Sioux City 10 AM

Vermillion 11:30 AM

Sept. 10 -



R. B. Smith, Harding, S.D.  
wants reports

195, 83, 32

~~Gyp 20~~, Estancia, Moorcroft, Aug 19  
J. B. Boyden, on Sand Cr.  
Beulah, Wyo.

Paul Kleinadam  
Aladdin, Wyo.

Capt. St. John, Tinton Wyo.  
old time since 1875

Anthony Mills,  
Sundance, Bear tooth mts.

G. W. Ashdown, old timer  
Sundance

E. A. Bock, at mine on peak  
Sundance

L. C. Greene, prospector  
Sundance

Mr. Sturm, Sundance

Chas. Hutchins "

Chas S. Small  
Belle Fourche, S. Dak.

Dr. A. B. Chapin  
Soldiers Home, Minn.  
at Minnehaha Falls

With early expedition in Dak.  
with Mr. Does.  
Li scutifrons Man

H. E. Pick,  
Kenmare, N.D.  
Rockeick Pick  
Godfray Engdahle

Louis J. Crawford,  
Mastin  
Kitchen

Sentinel Butte, N.D.

Bill Follier

Joe Myers  
on little Missouri above  
Medora.

R. B.  
W.

14123 ~~Copy 3~~

9432

Howard Eaton, Wyo. W.

J. B.

Alden Eaton " "

T.

Will " "

Pau

Col. Henry Hall, Post Bld.

Capt

Wash. Cos. Pittsburgh tel. Mus?

of

~~Franklin, 4022300000~~

Ant

Sid McKimme, wolfer.

Sun

Arvada, Wyo.

G. W.

~~9418~~ Ent. ♀ 140, 45, 33

Se

~~9419~~ - ♂ 190, 85, 23

E. A.

~~9420~~ Pts. ♂ 183, 85, 21

Se

~~" 1 " ♂ 153, 43, 20~~

Z. C.

~~1 2 Mi. ♂ 144, 44, 19~~

Se

~~1 3 Eno. ♂ 149, 33, 19~~

Ms.

~~1 4 Aug 8 93, 34, 11,~~

Cha

~~9425 Iris ♀, Medora, skull~~

Chas.

~~6 " ♀ "~~

Bil

~~7 ♀ ♀ "~~

~~8 Vulpes vulpes Mandan picks.~~

~~9 " " " skull~~

~~9430 " " " "~~

~~1 Vulpes fulva " "~~

Mr. Bass, one and  
Doledale, N.D.

old timer, says Mr. Joe

Chas. Converse, Attorney  
Sobafis. N.D. July 31

L. E. Jones, old soldier  
Violent, S. Dak.  
Wounded Indian battle  
in Killdeer Mts.

H. C. Fish, Curator,  
Bismarck,

E. S. Cameron  
Terry, Wyo.

2656 1/2

Bill Mumby  
Ft. Buford,  
old timer & scout

Frank Chapman  
Petardia  
old timer

C.E. Booth, Minot  
taxidermist & antiquarian  
& old timer

C.H. Parker, and  
Island Hotel, Minot  
Has Mt. Lion killed  
in N. Dak.

Numeney, taxidermist  
Minot 217 S. Main

C. E. Booth  
Minot, taxidermist

Carl Swenson  
Tolley - Brown

Wm. Green Burton

Winton, N.D.  
has 3 zone maps

Mr. Mahon  
Fargo

Dr. Gatchel  
Welles N.D.

H. S. Simpson  
Grand Teton  
for topographic survey

W.H. Crawford  
Gardiner Billings  
Montana, & all road  
marked

E. J. Brown  
Minot  
Sisterwood

